



United States Steel Corporation  
Clairton Works  
400 State Street  
Clairton, PA 15025

September 1, 2004

Dr. Roger C. Westman  
Department of Air Quality  
Bureau of Air Pollution Control  
301 Thirty-Ninth Street  
Pittsburgh, PA 15201

U.S. Environmental Protection Agency  
Region III  
Air, Radiation & Toxics Division  
1650 Arch Street  
Philadelphia, PA 19103-2029  
ATTN: Michael Ioff (3AT23)

Assistant Council  
Department of Environmental Protection  
Southwest Region  
400 Waterfront Drive  
Pittsburgh, PA 15222-4745  
ATTN: Steve Hepler

Department of Justice  
Environmental and Natural Resource Division  
Environmental Enforcement Section  
P.O. Box 7611  
Ben Franklin Station  
Washington, D.C. 20044  
ATTN: David Street, Esq.

Subject: USS Reference Number: 04-0172  
#2 Control Room  
USS Clairton Works

Gentlemen:

The attached form confirms our verbal report of the subject incident. Any questions concerning this matter should be referred to Coleen M. Davis at 233-1015.

Sincerely,

Anton Lukac  
Plant Manager  
Clairton Works

NOTICE OF OUTAGE OF EQUIPMENT  
ARTICLE XXI - SECTION 2108.1

1. USS Reference Number: 04-0172
2. Date & Time of Breakdown: Date: 08/30/04 Time: 2155 hours
3. Company Name: U.S. Steel Corporation - USS Clairton Works
4. Specific Equipment Involved or Affected: #2 Control Room
5. BAPC Permit Number (if applicable):
6. Location: Clairton, PA
7. Nature and cause of breakdown: The #2 Control Room coke oven gas separation process was bypassed when a system over-pressurization occurred and caused an overload condition of the #2 Control Room vacuum axi compressors. This prevents the desulfurization of the coke oven gas. The root cause is still under investigation.
8. Identification of Emissions:
  - A. Type(s) (CO, NOX, SO<sub>2</sub>, Particulates, Hydrocarbons, etc.)  
Elevated H<sub>2</sub>S in the downriver and under-firing gas line systems, causing increased SO<sub>2</sub> and VOC at point of combustion. This also caused increased battery combustion stack opacity when the under-firing gas composition changed.
  - B. Toxic qualities of each type (including its qualities as an irritant, and its potential for causing illness, disability, or mortality). SO<sub>2</sub> is and VOC could be an eye, nose, and throat irritant.
  - C. Amount of each type emitted (or likely to be emitted).  
Light to moderate
9. Measures taken (or to be taken) to minimize length of breakdown and amount of emissions, including shutdown or curtailment (or why it is impossible or impractical to do so).  
The vacuum axis and systems were brought on line.
10. Facility back in operation - Date: 08/31/04 Time: 1535 hours

Signature Coleen M. Davis Date 9/1/04  
Coleen M. Davis  
Senior Environmental Control Engineer Phone: 233-1015